

From: 4C HSE Conference [info@4cconference.com]
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To: Dossett, Donald [Dossett.Donald@epa.gov]
Subject: Presenting the top 9 LDAR and OGI training courses



April 3-5, 2018
San Antonio, Texas

4C Conference 2018: The Top 9 LDAR and Optical Gas Imaging Training Courses

Learn the ins and outs of LDAR and OGI from seasoned professionals and gain real-world knowledge you can use in future projects.

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REGISTER NOW →

4C, with support from our [training partners](#), is hosting several LDAR and Optical Gas Imaging focused training courses that will be offered at the 2018 4C Conference in San Antonio, Texas.

The training courses will provide education to HSE industry members, consultants, and vendors on everything from the basics to the more advanced topics in LDAR and OGI implementation and compliance:

LDAR Excellence

A 2.5-Day intense dive into best practices, continuous improvement and new-generation technology for all things Leak Detection and Repair / Fugitive Emissions. This workshop will feature discussion on LDAR program revalidation, as well as technology, tools and work practices to help elevate your LDAR program to excellence with cost-effective and efficient opportunities for improvement.

[More Info →](#)

CAD + Compliance Excellence (AutoCAD + Plant3D + Revit)

This 2-Day Workshop will foster a rich exchange of CAD knowledge and discussion on how CAD + Compliance Professionals can work together to elevate various compliance programs, including but not limited to PSM, LDAR, BWON, and RSR. On the agenda: easy-and-inexpensive electronic P&ID highlighting, as-built updates of P&IDs and isometrics, as well as 3D laser scan technology.

[More Info →](#)

Refinery Sector Rule Focused Compliance

Since the February 1, 2016 promulgation date, refineries have been scrambling to meet compliance deadlines in the revised MACT Subparts CC and UUU regulations, collectively known as the Refinery Sector Rule (RSR). This workshop begins by providing an overview of the regulatory requirements and compliance deadlines of affected sources including storage vessels, process vents, fenceline monitoring, flares, catalytic cracking units, and other refinery process units (e.g., sulfur recovery units, reformers, and cokers).

The remainder of the workshop will provide a more detailed and focused look at specific compliance elements for each affected source. The workshop will explore possible methods for identifying flare events, vent gas monitoring options and development of written plans for refinery flares. Establishing fenceline monitoring programs and managing data will also be covered. This workshop will also look at managing process vents and pressure relief device programs under the RSR. We will present shared learnings from development of RSR compliance programs when possible to assist refineries in achieving future compliance.

[More Info →](#)

LDAR – Beyond Basics and Underneath the Rules

An in depth look at LDAR Basics from a fresh perspective.

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Optical Gas Imaging

Offered by FLIR Systems, this course covers the regulatory framework for optical gas imaging, the OGI certification process, how to use the IR camera

to find leaks, how optical gas image is a combination of art, science, technique, and interpretive skills, and the basic safety practices for doing an OGI inspection.

[More Info →](#)

Advanced topics in Quantitative Optical Gas Imaging

This course will review the fundamental aspects of optical gas imaging and describe how they relate to the new OGI related regulations. The OGI related requirements for a OOOOa compliant monitoring plan will also be examined. A Quantitative Optical Gas Imaging method will be presented along with results from blind testing and side-by-side comparisons to other quantitative methods. Applications for QOGI in the oil and gas sector will be presented and discussed. The course will conclude with a survey of the latest developments in the field of Optical Gas Imaging with an emphasis on applications for the petroleum and petrochemical industries.

[More Info →](#)

Video Imaging Spectral Radiometry as an Alternative Monitoring Method for the Refinery Sector Rule

A new technology has been developed that can be used to remotely monitor flare performance and provide instant feedback to a flare operator. The technology is called Video Imaging Spectro-Radiometry (VISR), and it has been validated with full scale flares and extractive sampling tests. With VISR, a flare operator will have a dashboard that provides essential flare operation and performance parameters including directly measured combustion efficiency, level of smoke, flame stability, flame size, and heat released from flare combustion. With this flare dashboard, an operator finally has the information needed to operate the flare at peak performance day or night.

[More Info →](#)

Particulate Matter Measurement Demystified

Measurement of particulate matter (PM) traces to the promulgation of EPA Reference Method 5 and New Source Performance Standards (NSPS). Although seemingly simple, the measurement of particulate matter has proved challenging, requiring EPA to define particulate matter – and particulate matter measurement methods – in specific terms that reflect source characteristics and regulations that govern particulate matter emissions.

This four hour workshop will examine particulate measurement and sizing methods, focusing on the benefits and limitations of each, providing insights that will help a source choose the right PM measurement strategy to achieve compliance, operational, and facility expansion objectives.

[More Info →](#)

Guideware Software Training

Learn what is new in the GuideWare LDAR software, and how to utilize it's

newest, advanced features to enhance and improve your LDAR program.

Topics covered will include:

What's new in GuideWare version 2.5

Using Smart P&ID Drawings for your Inventory Jobs

GuideWare's New Scheduling Tool

Introducing 'GuideWare Connect' Mobile Connection Application

Database QA/QC – The Snapshot Reporting Tool

Audit Survival Tools – Learn how to audit your own data

Setting up OOOOa in GuideWare

Inspection Workflow with an Android Tablet and the IR Camera

Introducing GuideWare Fenceline Monitoring Web Application

[More Info →](#)

Register now to join hundreds of environmental professionals as we gather at the [4C Conference](#) to learn about emerging technologies, policy changes, compliance strategies, best practices, and walk away with real-world advice and practical takeaways.

Now is your chance to become part of one of the most diverse and fastest growing HSE consortiums in the world.

The 4C 2018 Conference is happening April 3-5 in San Antonio, Texas and features [tons of breakout presentations](#) and [expert-led training courses](#) aimed at arming attendees with real-world knowledge they can use to optimize future projects and contribute to their professional growth.

If you're eager to learn, [see what the 4C Conference](#) has to offer your professional future.

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**Contact us to reserve your space
on the expo floor:**

Nick Jourdan
nick@4cmarketplace.com
M: (210) 241-4895

**For more information on the
conference, please contact:**

Stephen Rust
stephen@4cmarketplace.com
M: (210) 473-9423

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